

Tubelite®



ALUMINUM ENTRANCES

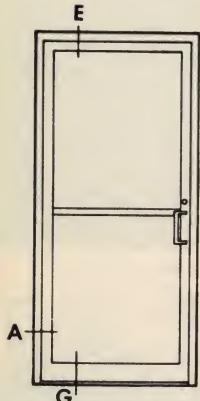


PITTSBURGH PLATE GLASS COMPANY

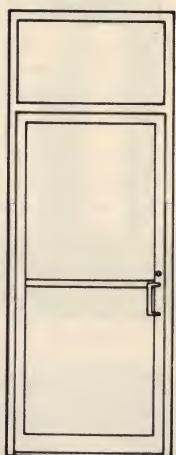


ALUMINUM DOORS OF DISTINCTION

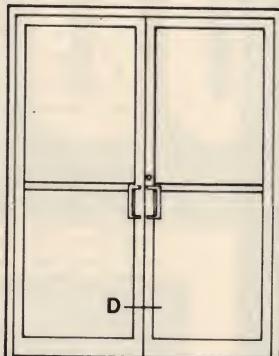
Standard size entrances are shown below. Special entrances can be made to architect's design from our standard construction.



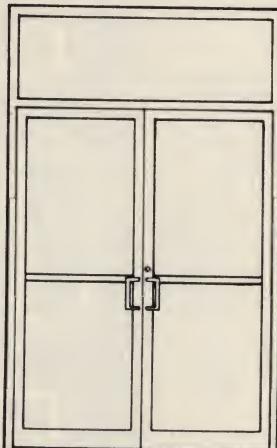
TYPE S-1, SINGLE DOOR
WITH OR WITHOUT FRAME



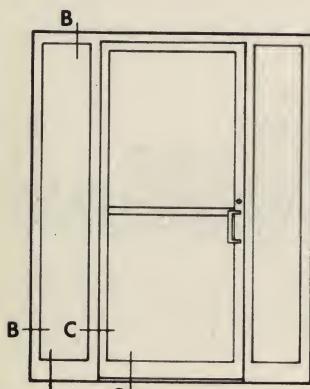
TYPE S-2, SINGLE DOOR WITH
TRANSOM FIXED OR OPERATING



TYPE D-1, DOUBLE DOOR
WITH OR WITHOUT FRAME

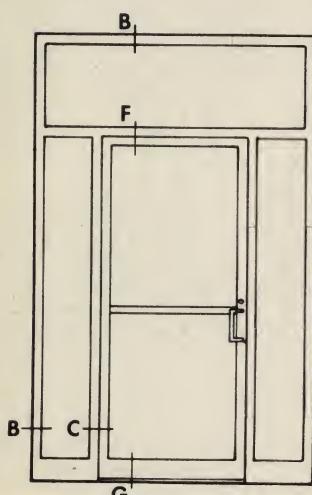


TYPE D-2, DOUBLE DOOR
WITH TRANSOM FIXED OR OPERATING



SEE PAGE 14
ASSEMBLY OF
400-53 AND
400-92

TYPE S-3, SINGLE DOOR
WITH SIDELIGHTS



TYPE S-4, SINGLE DOOR WITH SIDELIGHTS
WITH TRANSOM FIXED OR OPERATING

STOCK DOORS & FRAMES

STANDARD SIZES

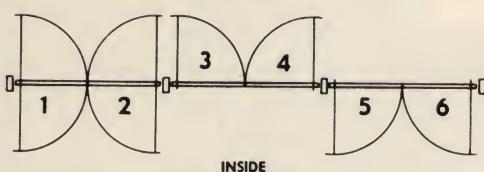
SINGLE DOORS	DOUBLE DOORS
3'-0" x 7'-0"	2'-6" x 7'-0"
3'-6" x 7'-0"	3'-0" x 7'-0"

STANDARD HARDWARE

1 pair of No. 500-25 bronze ball bearing butt hinges per door, push bar handle No. 500-5, No. 500-50, pull handle No. 500-21, Yale command bolt lock No. 500-21, Yale compact overhead door closer, top and bottom flush bolts No. 500-59 and a 4" threshold.

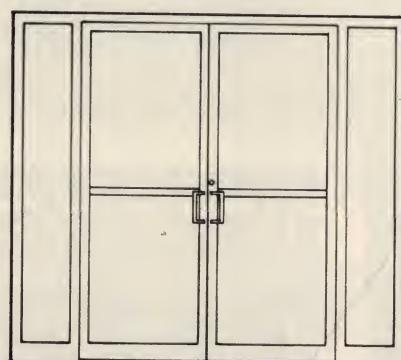
Stock doors can also be furnished on single or double acting floor checks, with or without a 7 1/2" threshold.

OUTSIDE

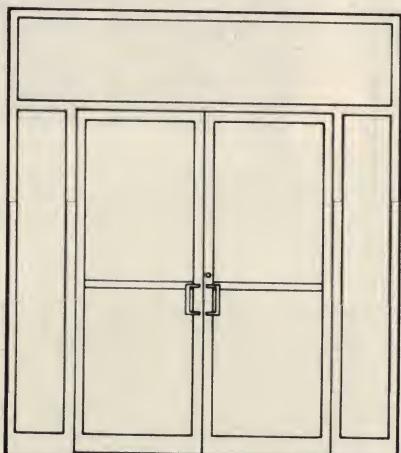


SPECIFY SWING OF DOOR BY NUMBER

NOTE: Unless otherwise specified, door or doors will be furnished with frame, fixed transom, (when transom is required), and 4" bottom rail.



TYPE D-3, DOUBLE DOOR
WITH SIDELIGHTS



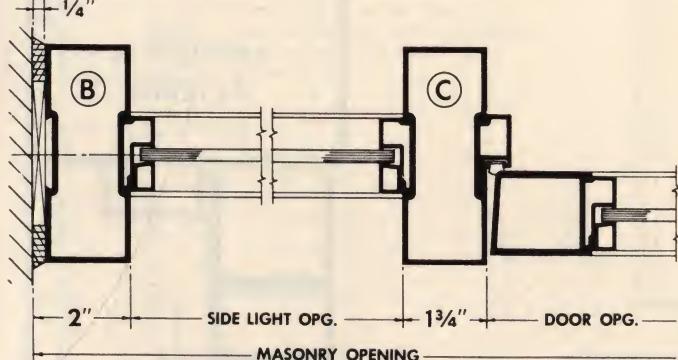
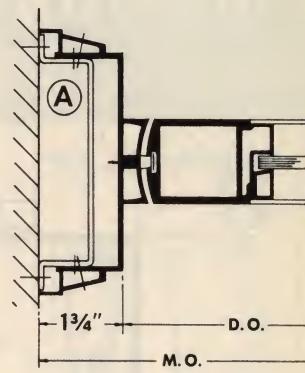
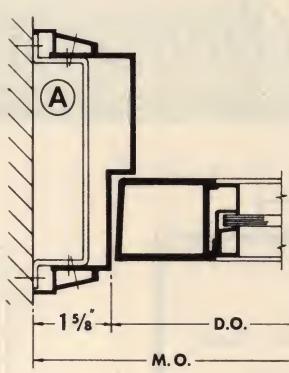
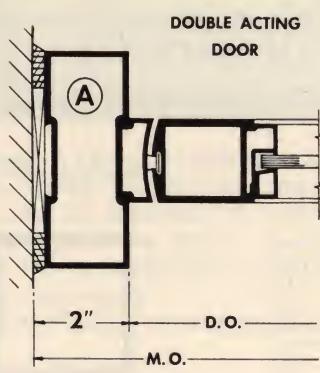
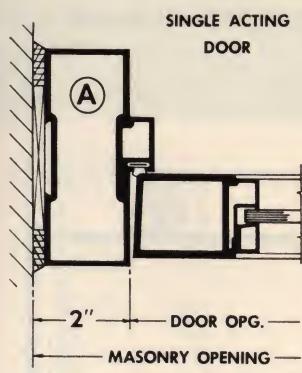
TYPE D-4, DOUBLE DOOR WITH SIDELIGHTS
WITH TRANSOM FIXED OR OPERATING

STANDARD DOORS AND FRAMES

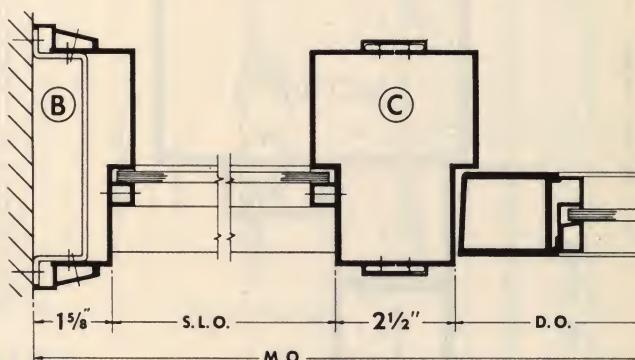
FINISH - POLISHED ALUMILITE 204A2

16a

Pi

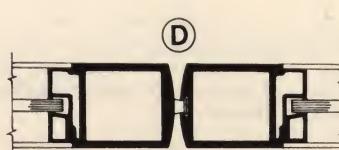
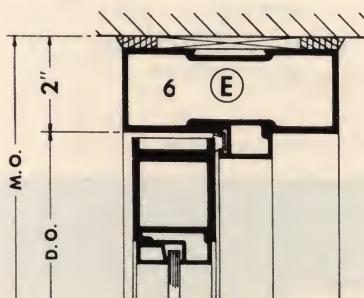


TUBULAR FRAME CONSTRUCTION

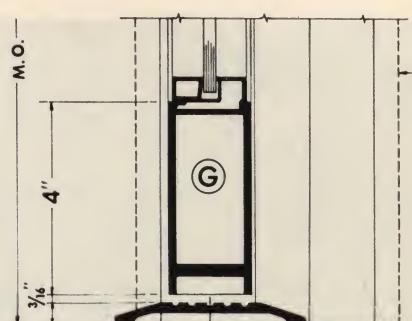
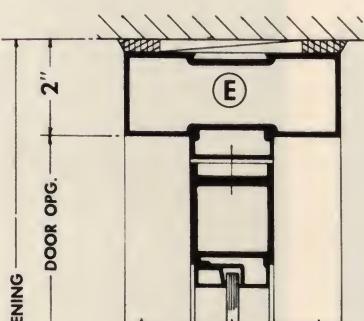
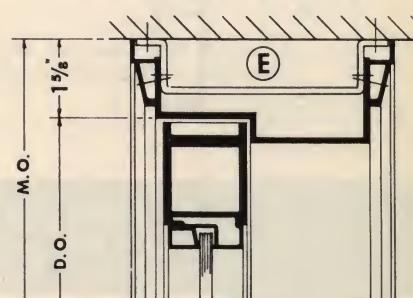


CHANNEL FRAME CONSTRUCTION

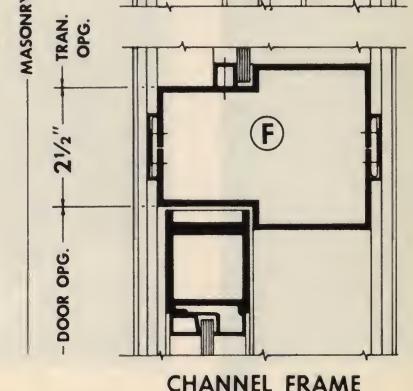
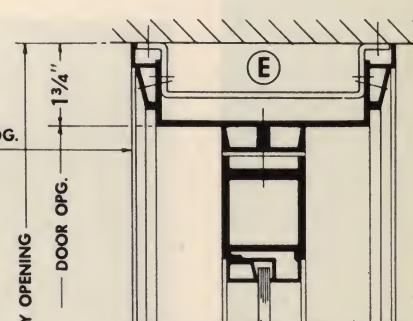
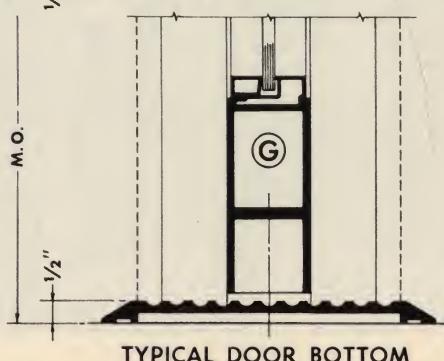
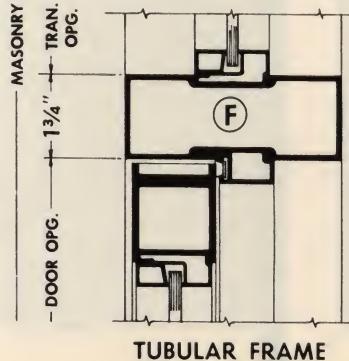
HORIZONTAL SECTIONS



SCALE 3" = 1'-0"



LINE OF
TRIM MLDG.



TUBULAR FRAME CONSTRUCTION

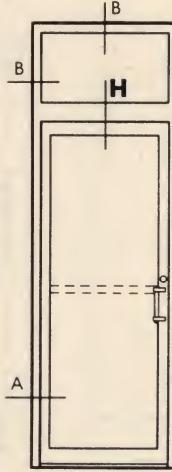
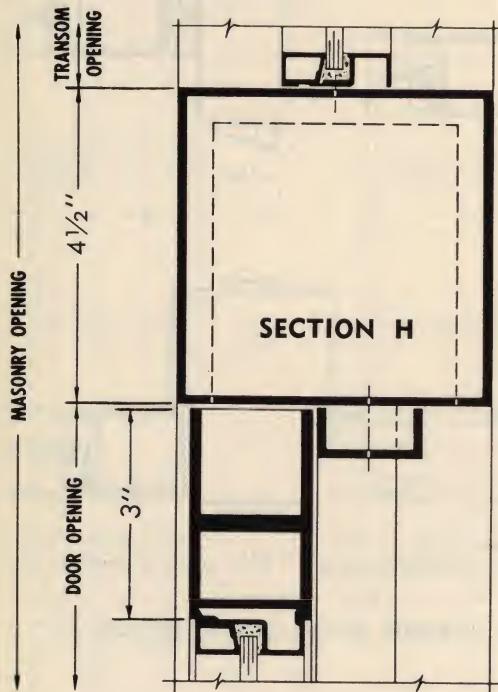
TYPICAL DOOR BOTTOM RAILS & THRESHOLDS

CHANNEL FRAME CONSTRUCTION

VERTICAL SECTIONS

Tubelite®

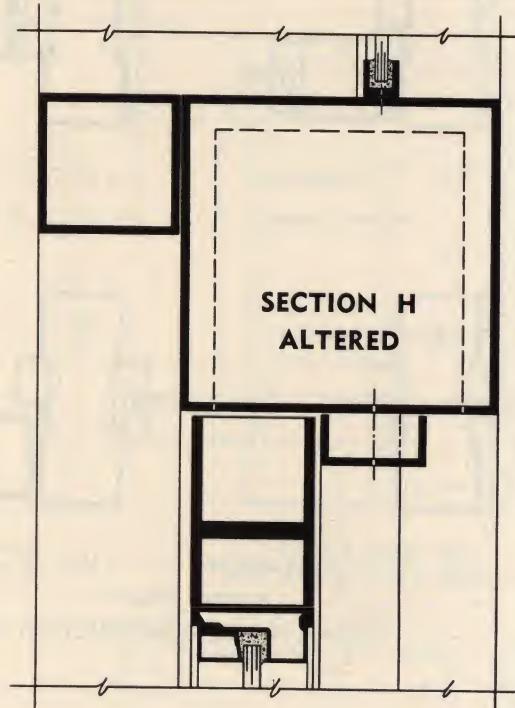
Aluminum Entrances



TYPE S-2, SINGLE DOOR WITH
TRANSOM FIXED OR OPERATING

NOTE

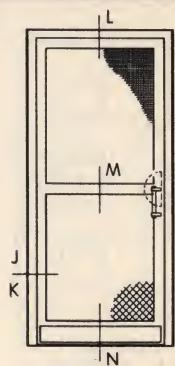
The standard height of the door bottom rail is 4". A high bottom rail can be furnished if desired by adding surface applied kickplates.



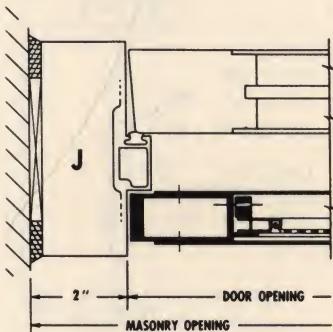
CUSTOM CONSTRUCTION
SHOWN BELOW

STANDARD TUBELITE DOORS & FRAMES WITH OVERHEAD CONCEALED CLOSERS

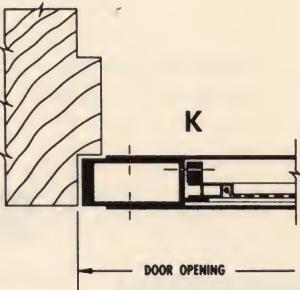




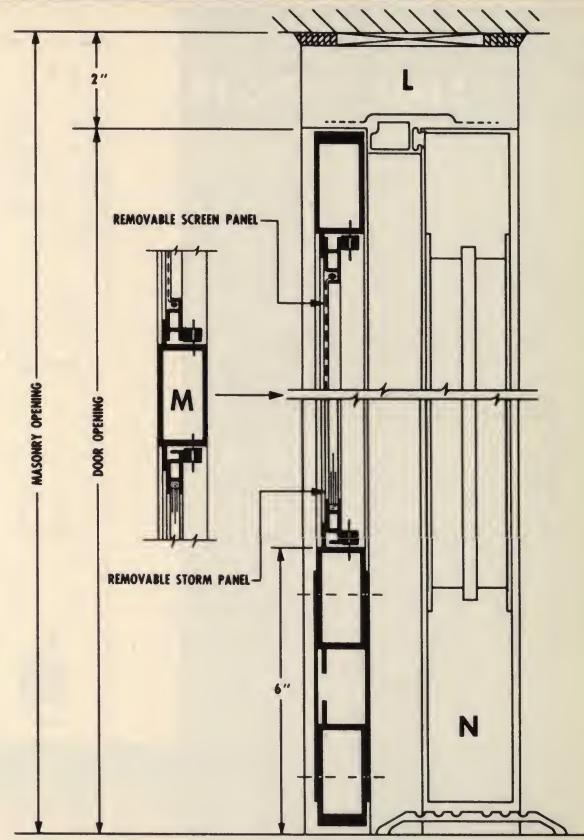
KEY ELEVATION



HORIZONTAL SECTIONS

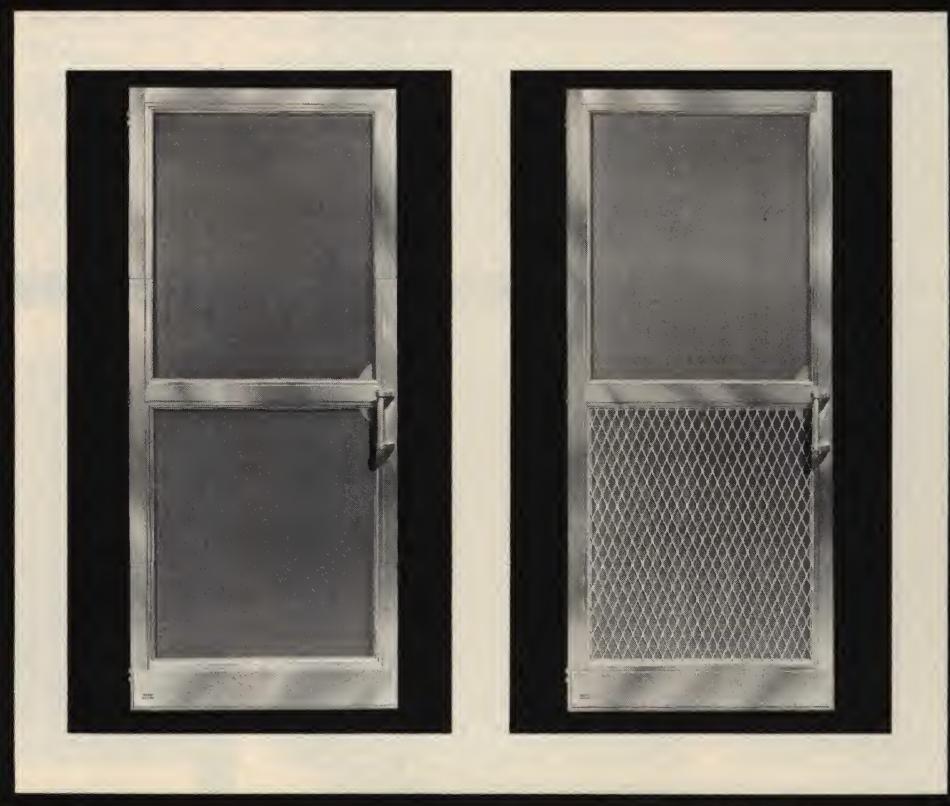


NOTE—In ordering screen doors specify door opening size.

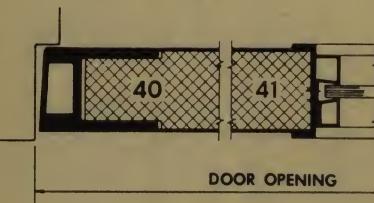


VERTICAL SECTIONS

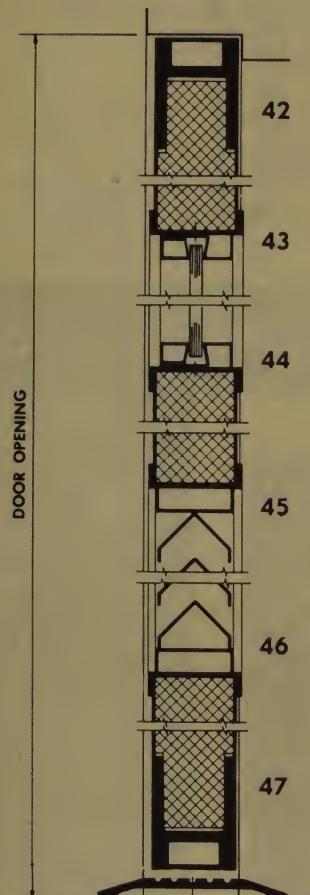
SCREEN DOOR AND STORM SASH



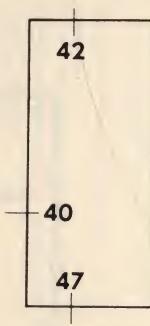
FLUSH PANEL DOORS



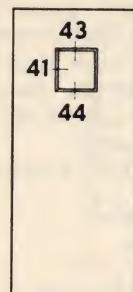
HORIZONTAL SECTION



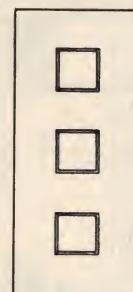
VERTICAL SECTIONS



TYPE S-7

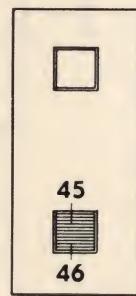


TYPE S-8



TYPE S-9

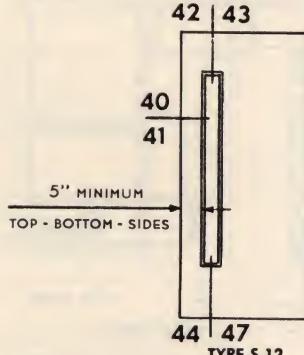
TYPICAL ELEVATIONS



TYPE S-10



TYPE S-11



TYPE S-12

SUBSTITUTE LETTER "D" FOR "S" IN SPECIFYING DOUBLE DOORS

Standard Hardware - 1½ pair of No. 500-92 bronze ball bearing butt hinges per door, keyed knob latch or dead bolt lock No. 500-21 with pull handle No. 500-5 and push plate No. 500-53, Yale compact overhead door closer, top and bottom flush bolts No. 500-59 and a 4" threshold.

Stock doors can also be furnished on single or double acting floor checks, with or without a 7½" threshold.

STANDARD SIZES

SINGLE DOORS	DOUBLE DOORS
2'-8" x 7'-0"	5'-0" x 7'-0"
3'-0" x 7'-0"	6'-0" x 7'-0"
3'-6" x 7'-0"	
4'-0" x 7'-0"	

Flush doors can be prepared to receive narrow line concealed panic hardware.



DEAD BOLT LOCK
& PULL HANDLE



KEYED KNOB LATCH



DOOR SPECIFICATIONS

A solid fiberous core representing a sturdy solution to the reinforcement problem of flush construction. Also the use of an extruded aluminum H frame around the perimeter of the door and the employment of an extruded stile into which the facing material is mechanically interlocked, forms an exceptionally rigid construction.

CORE

- (1) Weight per square foot $1\frac{5}{8}$ " thick -
2.161 lb. / sq. ft. (Average)
- (2) Strength -
 - Tensile - 250 lb. / sq. inch (Average)
 - (A) Compression (Lbs. per sq. inch)
Approximately 100 lbs. / sq. inch.
Compression to 90% of original thickness.
Recovery to 100% of original thickness.
 - (B) Flexural strength
Transverse strength -
82 lbs. (Machine Direction)
65 lbs. (Cross Machine Direction)
- (3) Fireproof rating -
Slow burning.
- (4) Insulation Value -
K value - 0.33 to 0.36 depending
on density.
U value of $1\frac{5}{8}$ " thickness - 0.20
to 0.22 btu. depending on
density.
- (5) Water absorption average
(Per cent vol.)
5.0% (2 hour test)



"This label is your assurance of quality"

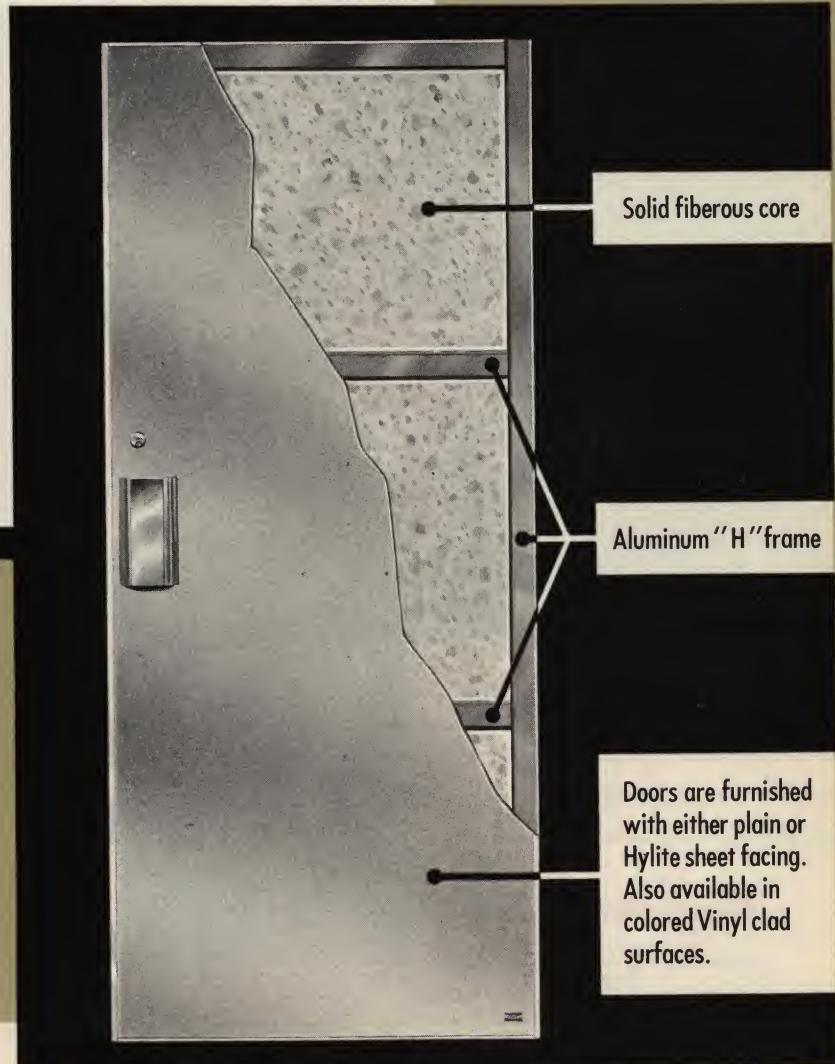


CUSTOM PUSH - PULL

SEE PAGE 8

FLUSH PANEL DOORS

- CHURCHES
- COMMERCIAL BUILDINGS
- HOSPITALS
- HOTELS
- INDUSTRIAL BUILDINGS
- PUBLIC BUILDINGS
- SCHOOLS



Unlimited

Tubelite®

Lettering and crosshatching on standard

STANDARD DESIGNS — specify color desired



INSERT A



INSERT B



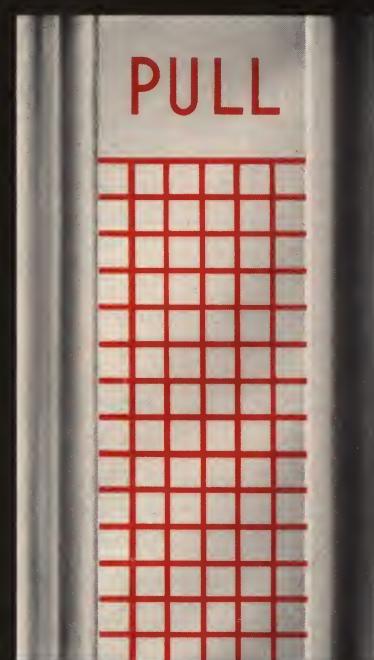
INSERT C



INSERT D



INSERT E

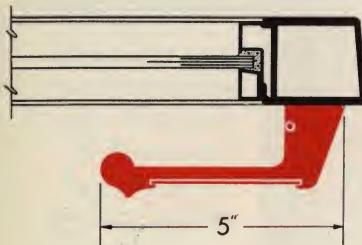


500-156 PULL PLATE
WITH INSERT F



The above are just a few of the many custom
designs possible

500-156 PULL-DETAIL



500-156 is interchangeable with Pull Handle 500-5

Also available in solid colored Vinyl Plastic surfaces in the following colors.

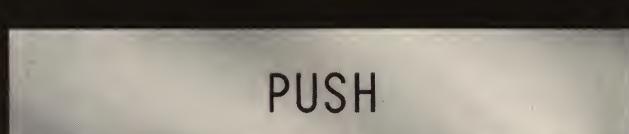
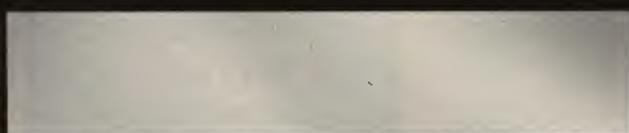
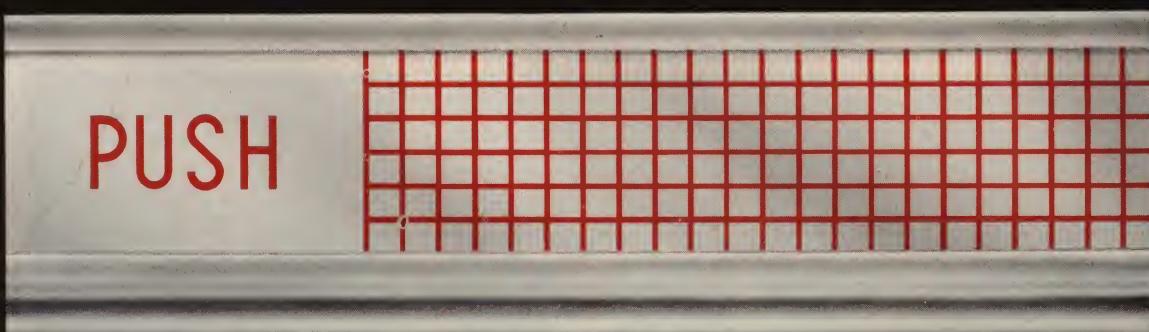
Metal Green Cordovan
Red Ebony
Blue Dark Mahogany
Blizzard Grey Bronco Brown

"Multi-Insert" push-pull plates

Signs to be black unless otherwise specified

Aluminum Push Plate size—4 $\frac{1}{2}$ "x16"

Aluminum Insert size—3 $\frac{1}{8}$ "x16" STANDARD DESIGNS — specify color desired

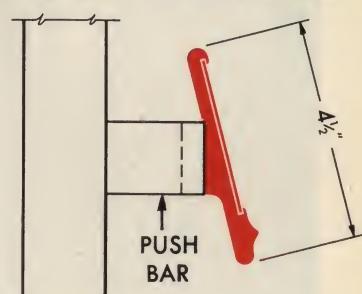


Unlimited custom designs
upon request

INSERT C

500-157 is applicable to Push Bar 500-50

500-157 PUSH-DETAIL



SCALE: 3"=1'-0"

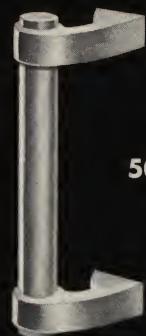
YOUR DEMANDS

TUBELITE® PUSH AND PULLS

FINISH: POLISHED ALUMILITE 204 A2



Standard Push Bar and Pull Handle



500-5



500-51

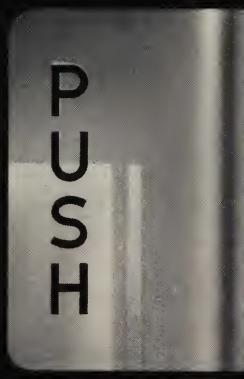
With vertical bar extended to
bottom rail, specify 500-52



500-119



500-120



500-53



500-55



500-54

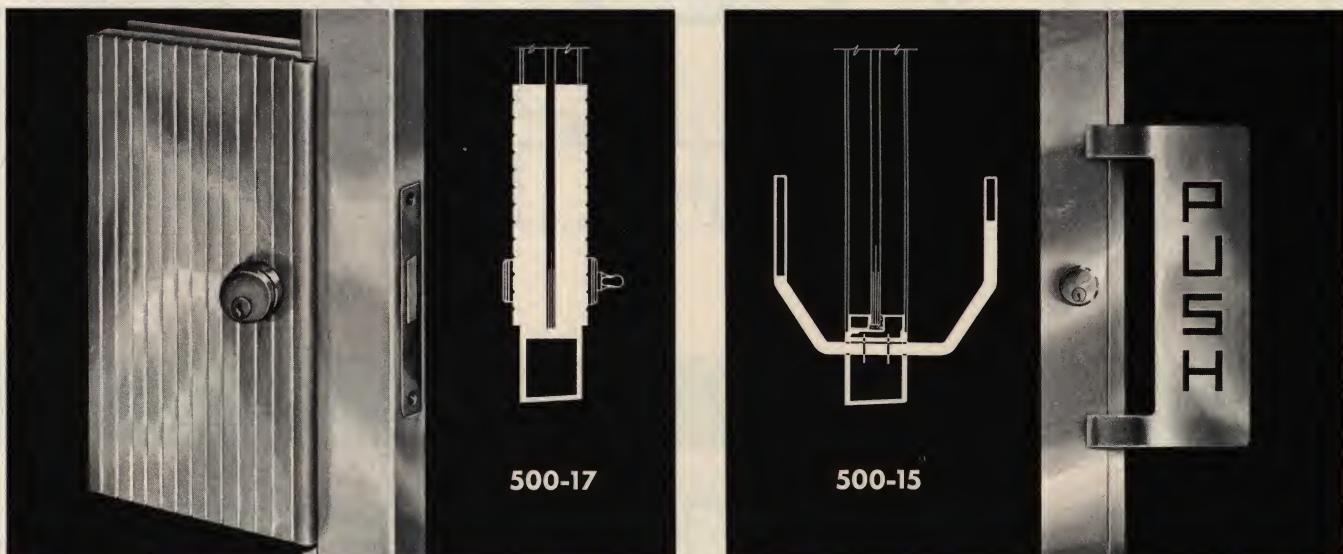


500-49



TUBELITE® PUSH AND PULLS

FINISH: POLISHED ALUMILITE 204 A2



CIPCO PUSH - PULLS



No. 184

No. 183
No. 183-O

(Not available in Stratawood)



No. 182

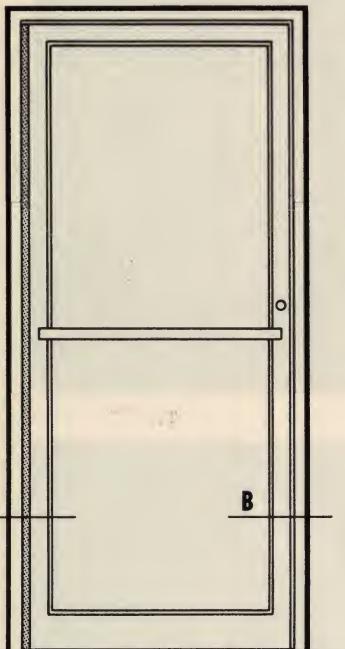


No. 187

NOTE: No. 183 is for Flush doors only.
No. 183-O is for Narrow Line doors.

Units available in Stratawood, Teak, Mahogany, Oak, Walnut and Birch.

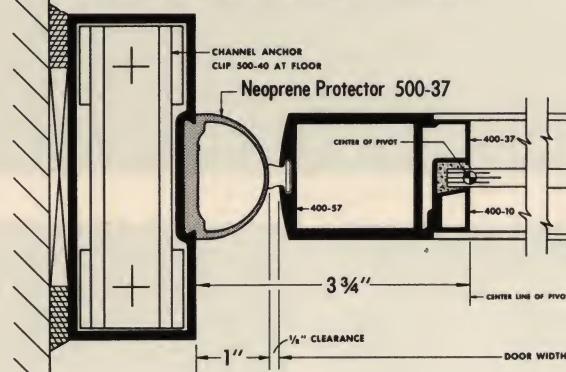
SIDE JAMB - FINGER GUARD



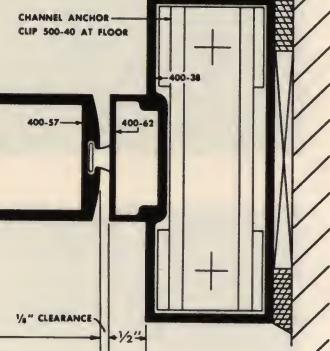
KEY ELEVATION

SECTION A

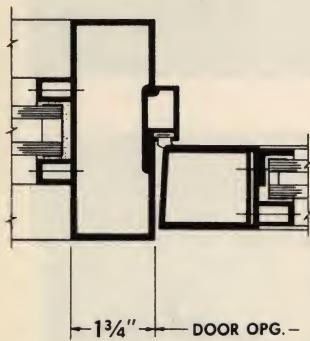
THIS ARRANGEMENT USED ON BOTH SIDE JAMBS WITH PAIRS OF DOORS.



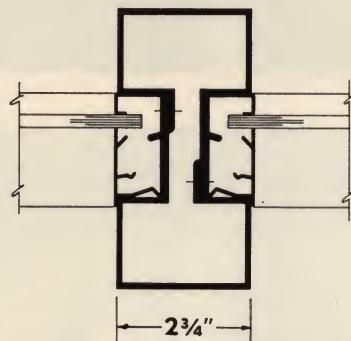
SECTION B



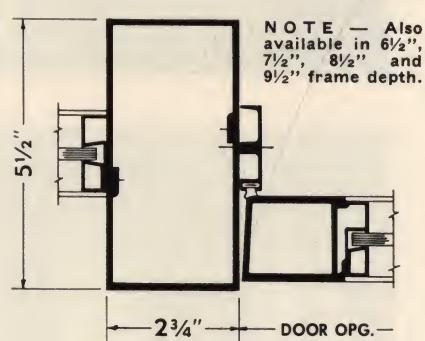
SPECIAL MULLION CONSTRUCTION



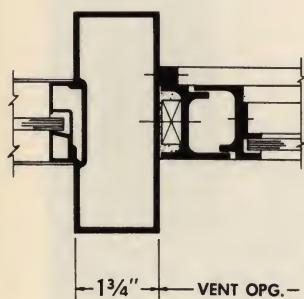
MULLION WITH TWINDOW



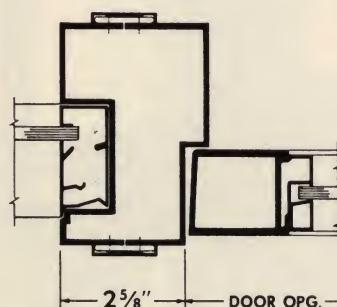
MULLION WITH RECESSED SASH NO. 17



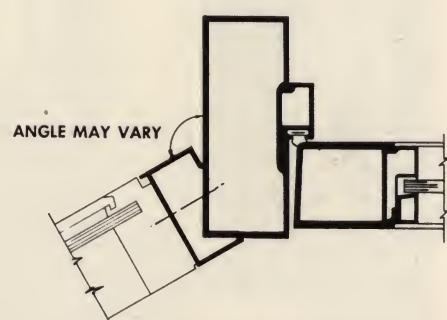
HEAVY MULLION



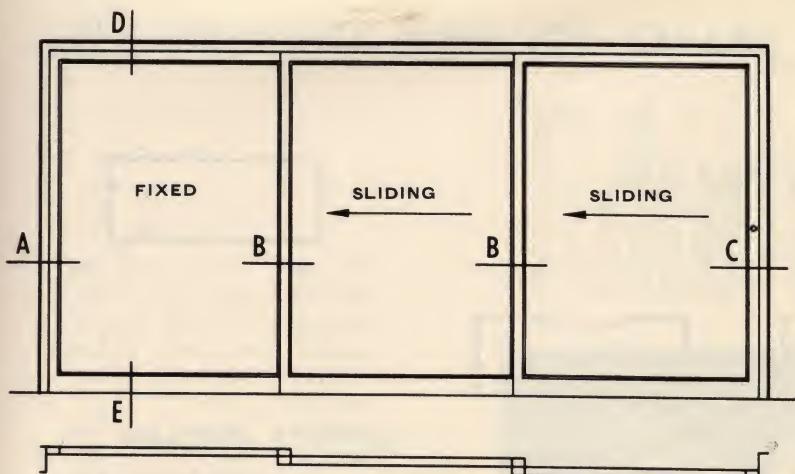
MULLION WITH VENTILATOR



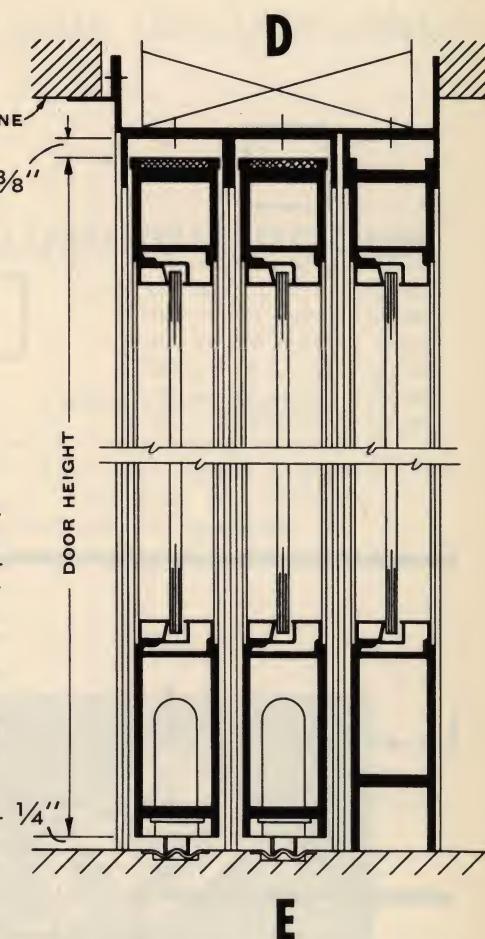
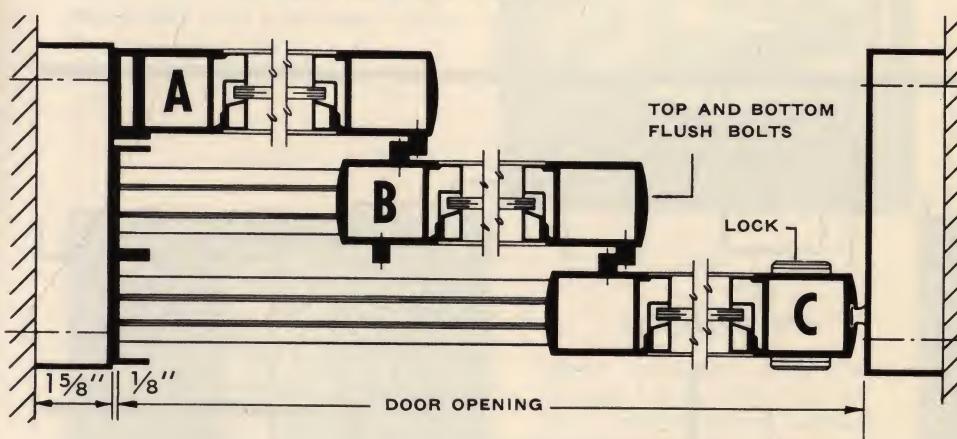
MULLION WITH RECESSED SASH NO. 17



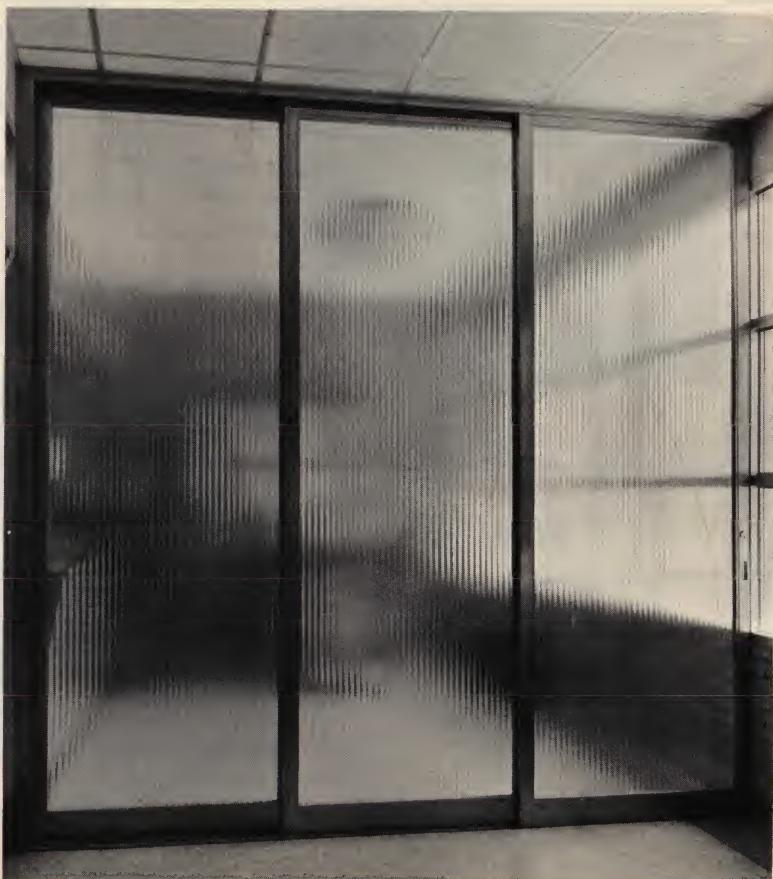
MULLION WITH SASH ADAPTOR



KEY PLAN & ELEVATION



SLIDING DOORS



Sliding doors for commercial and industrial use. Made up of standard extruded door construction. Equipped with bronze sheaves. Available in narrow or wide stiles.

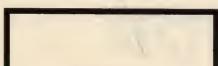
STOCK FRAME SECTIONS

FINISH-POLISHED ALUMILITE 204A2

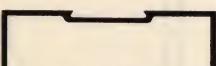


TUBE FRAMES

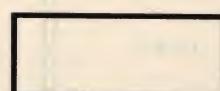
400-150	$\frac{1}{2}'' \times \frac{1}{2}'' \times .062''$
400-151	$\frac{3}{4}'' \times \frac{3}{4}'' \times .062''$
400-152	$1'' \times 1'' \times .125''$
400-153	$1\frac{1}{2}'' \times 1\frac{1}{2}'' \times .125''$
400-1	$1\frac{3}{4}'' \times 1\frac{3}{4}'' \times .125''$
400-154	$2'' \times 2'' \times .125''$
400-155	$4'' \times 4'' \times .125''$
400-133	$4\frac{1}{2}'' \times 4\frac{1}{2}'' \times .125''$



400-38
 $1\frac{3}{4}'' \times 4\frac{1}{2}'' \times .125''$

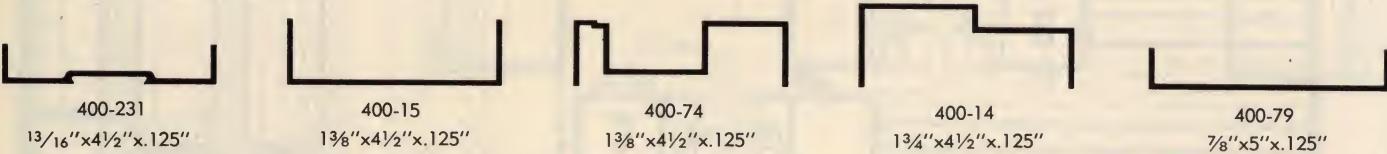


400-39
 $1\frac{3}{4}'' \times 4\frac{1}{2}'' \times .125''$



400-156	$\frac{1}{2}'' \times 1'' \times .125''$
400-157	$\frac{3}{4}'' \times 1\frac{1}{2}'' \times .125''$
400-158	$1'' \times 2'' \times .125''$
400-82	$1'' \times 4'' \times .125''$
400-75	$1\frac{3}{4}'' \times 2\frac{1}{4}'' \times .125''$
400-159	$1\frac{3}{4}'' \times 3'' \times .125''$
400-2	$1\frac{3}{4}'' \times 4'' \times .125''$
400-41	$1\frac{3}{4}'' \times 4\frac{1}{2}'' \times .125''$
400-147	$1\frac{3}{4}'' \times 5'' \times .125''$
400-81	$2'' \times 5'' \times .125''$
400-139	$2'' \times 5\frac{1}{2}'' \times .125''$

CHANNEL FRAMES



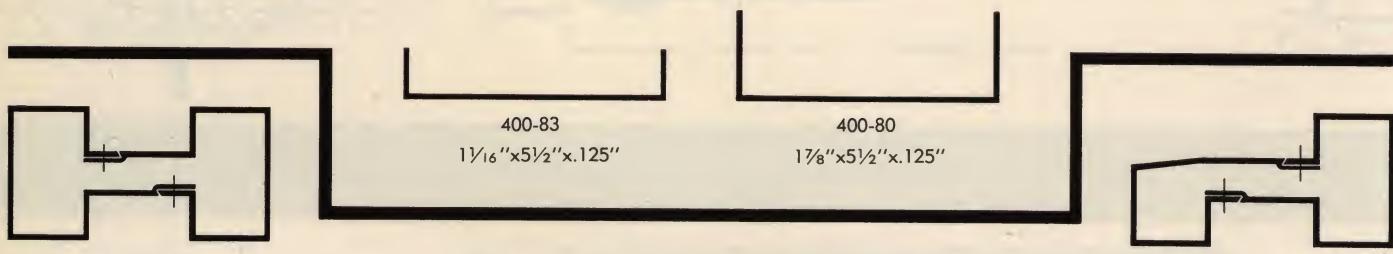
400-231
 $1\frac{3}{16}'' \times 4\frac{1}{2}'' \times .125''$

400-15
 $1\frac{3}{8}'' \times 4\frac{1}{2}'' \times .125''$

400-74
 $1\frac{3}{8}'' \times 4\frac{1}{2}'' \times .125''$

400-14
 $1\frac{3}{4}'' \times 4\frac{1}{2}'' \times .125''$

400-79
 $\frac{7}{8}'' \times 5'' \times .125''$

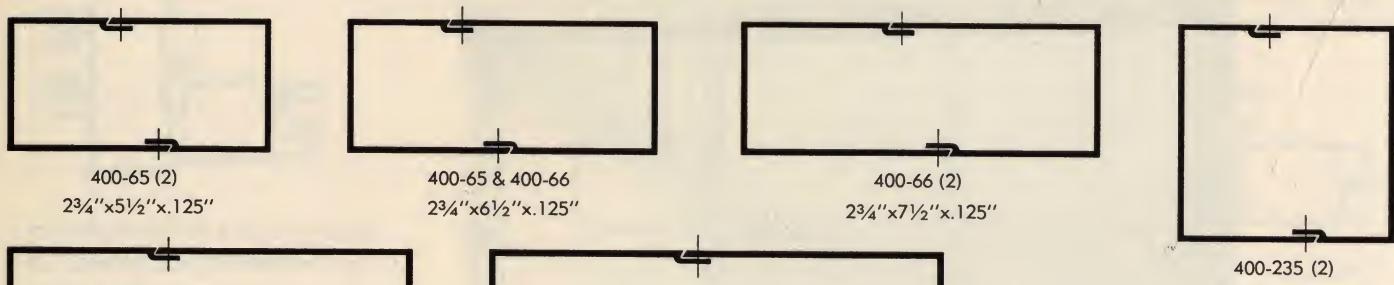


400-123 (2)
 $2\frac{3}{4}'' \times 5\frac{1}{2}'' \times .125''$

400-83
 $1\frac{1}{16}'' \times 5\frac{1}{2}'' \times .125''$

400-80
 $1\frac{7}{8}'' \times 5\frac{1}{2}'' \times .125''$

400-132 & 400-123
 $2\frac{3}{4}'' \times 5\frac{1}{2}'' \times .125''$

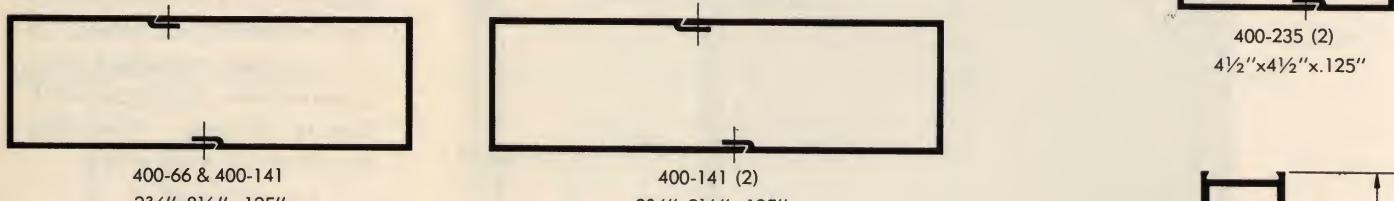


400-65 (2)
 $2\frac{3}{4}'' \times 5\frac{1}{2}'' \times .125''$

400-65 & 400-66
 $2\frac{3}{4}'' \times 6\frac{1}{2}'' \times .125''$

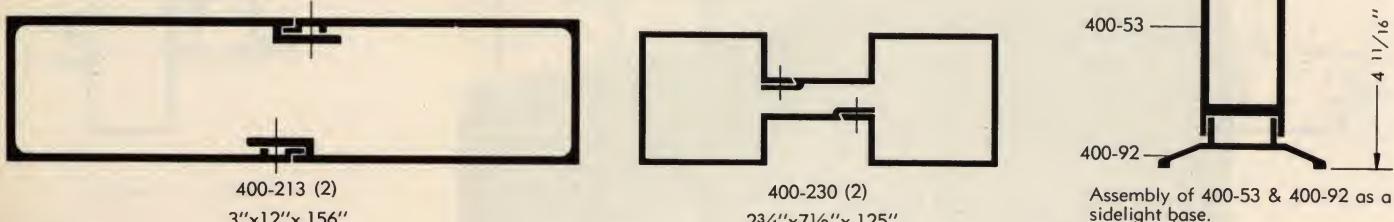
400-66 (2)
 $2\frac{3}{4}'' \times 7\frac{1}{2}'' \times .125''$

400-235 (2)
 $4\frac{1}{2}'' \times 4\frac{1}{2}'' \times .125''$



400-66 & 400-141
 $2\frac{3}{4}'' \times 8\frac{1}{2}'' \times .125''$

400-141 (2)
 $2\frac{3}{4}'' \times 9\frac{1}{2}'' \times .125''$



400-213 (2)
 $3'' \times 12'' \times .156''$

400-230 (2)
 $2\frac{3}{4}'' \times 7\frac{1}{2}'' \times .125''$

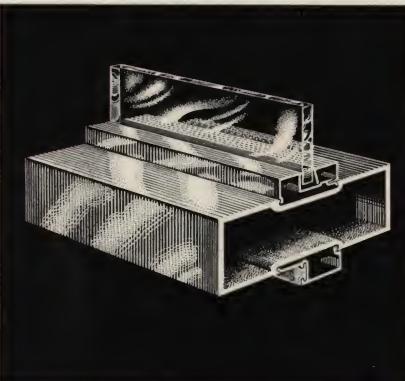
400-53
400-92
Assembly of 400-53 & 400-92 as a sidelight base.
4 11/16"

SIX REASONS WHY IT'S SMART TO USE

Tubelite

 ALUMINUM DOORS**WEATHER STRIPPED**

A Tubelite exclusive which provides maximum weathering by extending the pile bead into the lock face plate.

**WALL THICKNESS**

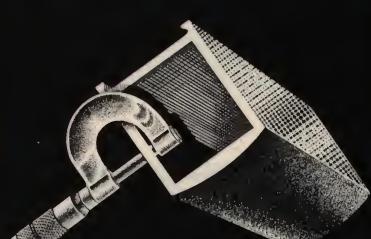
Twenty-five percent more wall thickness for added strength and assurance of adequate anchorage for hardware.

**LOCK FLEXIBILITY**

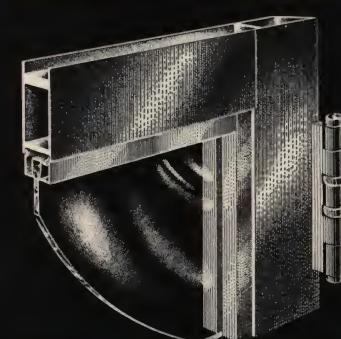
Our most recent addition. A latch lock which is interchangeable with our standard dead lock.

VERSATILITY

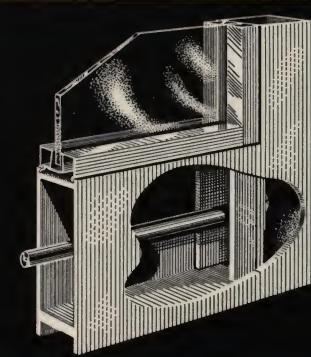
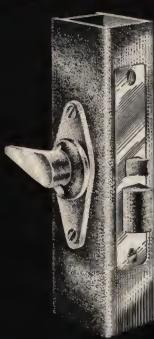
Heavy extruded dovetailed tubular frame offering several combinations without visible fastenings. Also featuring continuous pile weather stop.

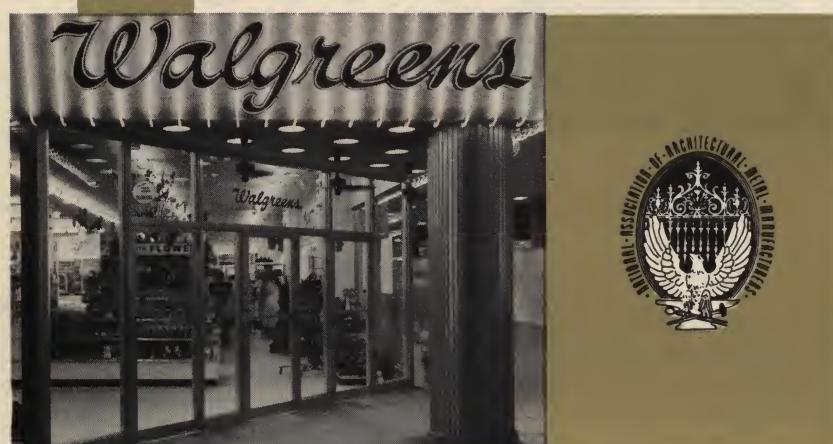
**CORNER CONSTRUCTION**

Dovetailed interlocking feature prevents any twisting. Further strength is obtained by use of stainless steel bearing plates held together under pressure by a tie rod having SAE threads and self-locking nuts.

**BUTTS**

Extra heavy ballbearing butts with stainless steel non-rising floating pins and screw type end caps.





Tubelite®

DOOR AND FRAME
SPECIFICATIONS

GENERAL: Aluminum entrances shall be Pittsburgh Plate Glass "Tubelite" tubular aluminum doors, frames, trim, anchors and hardware as shown on details.

MATERIAL: All sections of doors and frames shall be extruded members of Architectural Alloy No. 6063-T5. Screws shall be of 24S-T4 aluminum alloy and cadmium plate brass or bronze.

FABRICATION: Doors shall be fabricated of extruded hollow aluminum tubes with no exposed seams. Frames may be either extruded tube or open channel, depending upon the strength of construction required. Anchor brackets at joints and reinforcement for hardware shall be completely concealed and fastened in place without fastening method being detectable on visible surfaces. Mechanical joints of doors and frames shall be accurately milled to a hairline water-tight joint. Glazing member is of such design that it is snapped in, eliminating use of exposed screws.

FINISH: All parts shall be finished in standard 204A2. Sample of the finish will be submitted to architect (upon request) for approval.

ERCTION: All openings shall be prepared plumb and square by others. Doors and frames shall be installed in the opening plumb and in true alignment, in accordance with instructions attached to all doors. Tubular frames shall be secured to the floor by means of anchors. Anchor screws shall be used at the side and head jambs. Channel frame shall be anchored to the jambs by means of steel cores securely fastened to the jambs, and the aluminum frame attached to the anchors in accordance with drawings prepared by the fabricator.

FINISH HARDWARE: All stock doors shall have standard hardware furnished by the door manufacturer. Hardware for custom - built doors and special entrances shall be specified by the architect. Hardware furnished by others shall be sent to the door manufacturer for application to the door.



QUALITY - ECONOMY - BEAUTY - RIGIDITY

PITTSBURGH PLATE GLASS COMPANY

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